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4 Pages



January 1965

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PHOTOGRAPHIC INTERPRETATION REPORT

# COMMUNICATIONS FACILITY OLENEGORSK, USSR



CIA

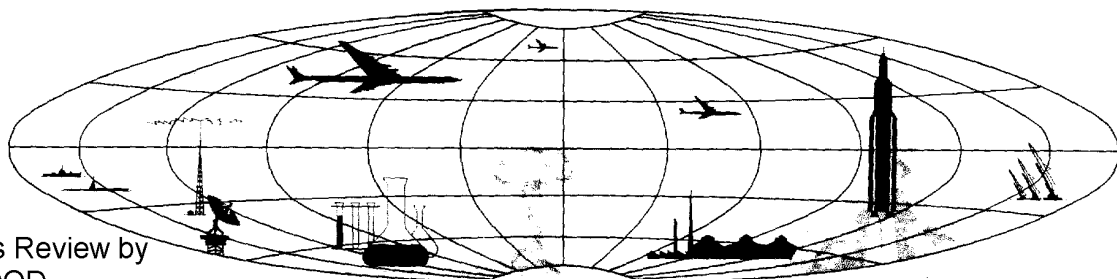


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Declass Review by  
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GROUP 1  
Excluded from automatic  
downgrading and declassification

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### COMMUNICATIONS FACILITY, OLENEGORSK, USSR

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On [ ] photography of [ ] a high-frequency (HF) rhombic antenna communications facility was noted under construction at 68-10-20N 33-16-25E, about 2 nautical miles north of Olenegorsk (Figure 1). This location is the site of an abandoned airfield, some traces of which still remain.

The antenna field (Figures 2 and 3) consists of 3 pairs of day-night rhombics laid out in a triangular pattern around a probable control building. Technical data for the antennas are given in Table 1. Additional guy anchor positions to the west and southwest of the probable

control building indicate continuing construction in the antenna field. Buildings within the fenced enclosure consist of the aforementioned probable control building and 7 storage- and maintenance-type structures, additional information for which is given in Table 2.

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All antennas at the facility have been constructed since [ ]

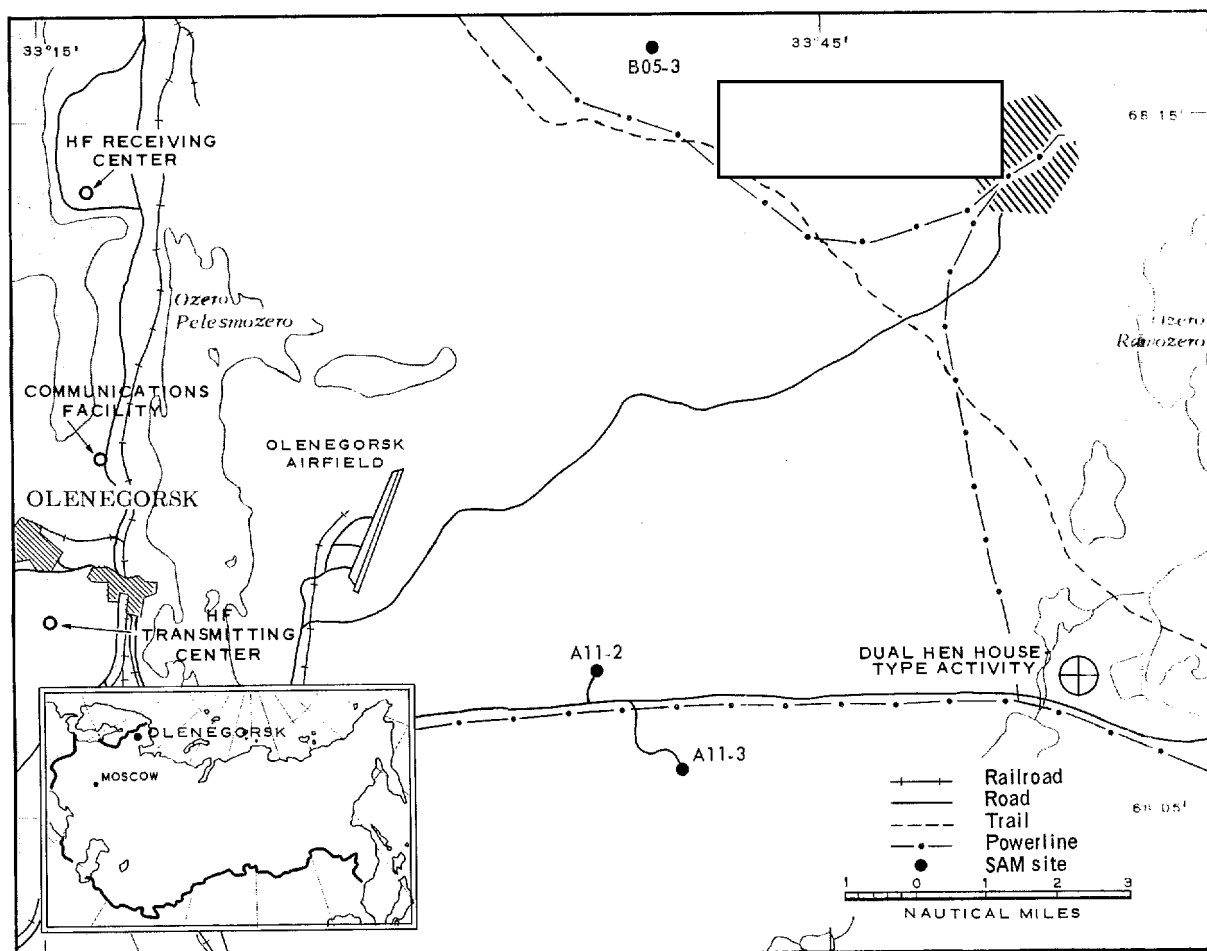
The buildings have been constructed since [ ]

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[ ] and most were first observed on photography of [ ]

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FIGURE 1. LOCATION MAP.

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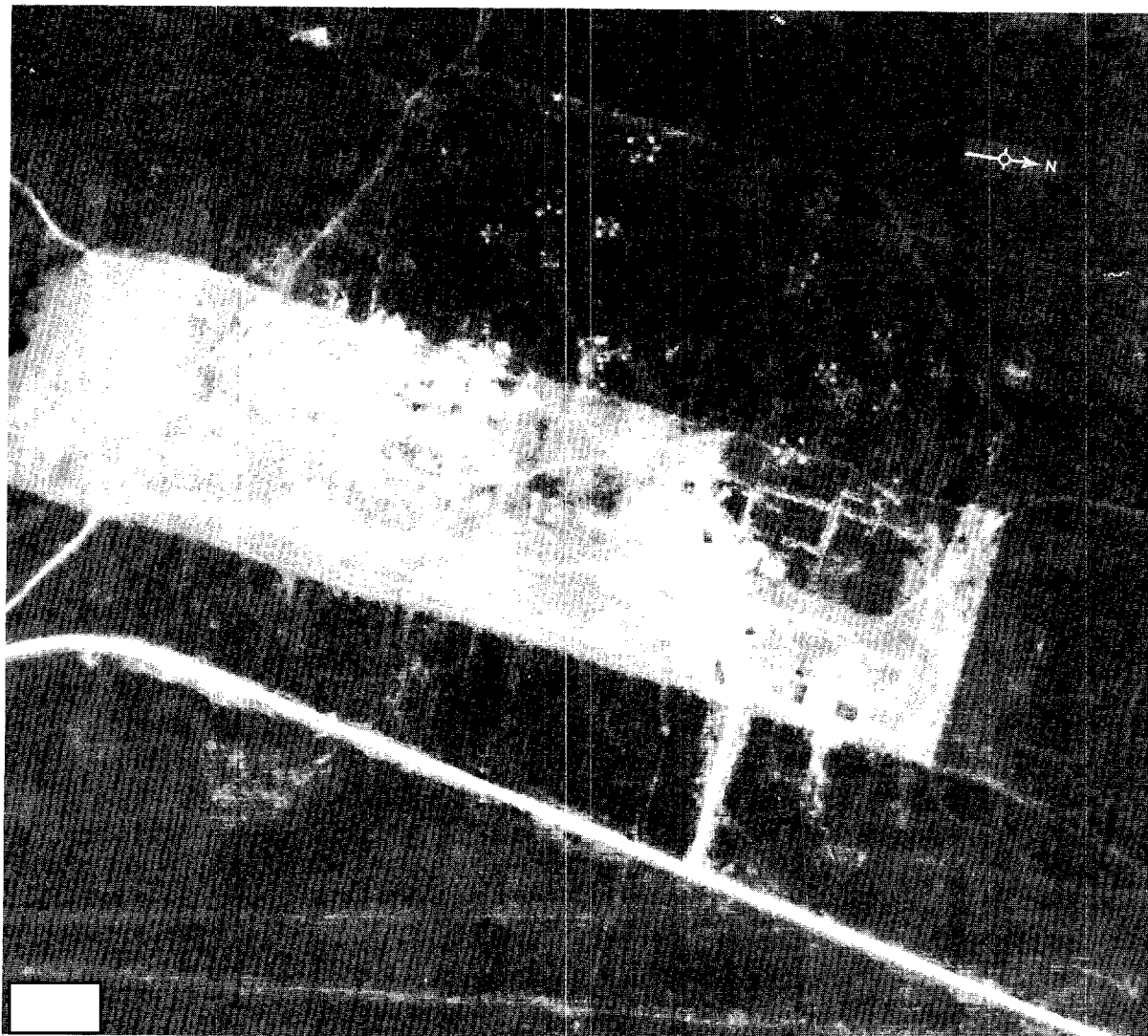
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FIGURE 2. HF RHOMBIC ANTENNA COMMUNICATIONS FACILITY, OLENEGORSK.

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Table 1. Technical Data for Rhombic Antennas (Letters Keyed to Figure 3)

Antenna Letter	Major Axis (ft)	Minor Axis (ft)	Length 1 Side (ft)	Tilt Angle (° ')	Wave Angle (°)	Wavelengths per Leg Length	Computed Frequency (mc)	Initial Great-Circle Bearing (°)	Skip Distance (sm)	Probable Correspondent
A	750	360	415		25	3			750	Moscow
B	440	210	245		25	3			750	Moscow
C	440	210	245		25	3			750	Moscow
D	750	360	415		25	3			750	Moscow
E	750	360	415		25	3			750	Leningrad
F	440	210	245		25	3			750	Leningrad

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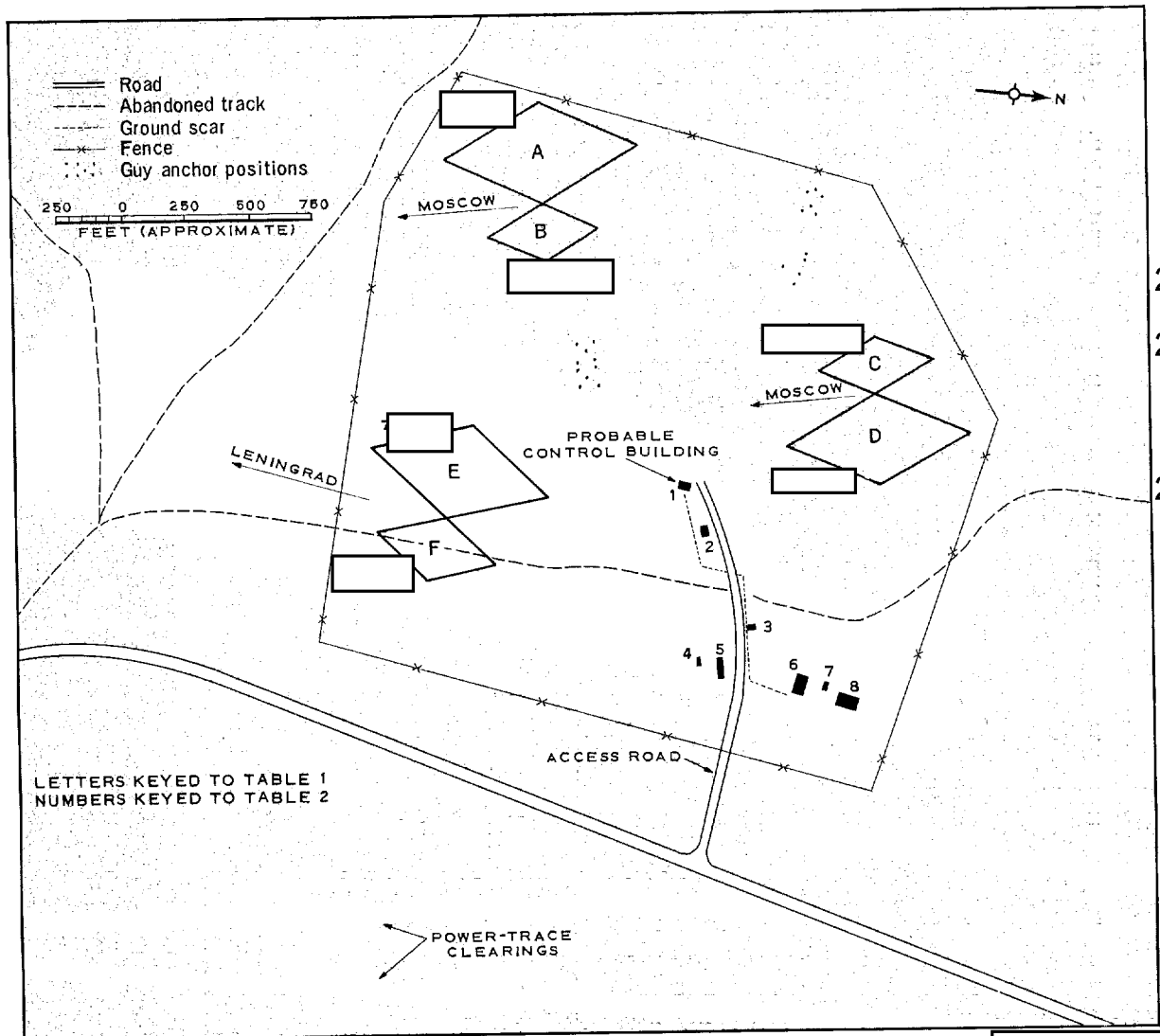


FIGURE 3. LAYOUT OF COMMUNICATIONS FACILITY.

Table 2. Additional Information on Structures (Numbers Keyed to Figure 3)

Item Number	Type of Structure	Dimensions (ft, approx)	Roof Type
1	Probable control bldg	55 x 40	Flat
2	Storage & maintenance	55 x 35	Flat
3	Storage & maintenance	35 x 30	Flat
4	Storage & maintenance	---	Flat
5	Storage & maintenance	85 x 30	Flat
6	Storage & maintenance	75 x 55	Flat
7	Storage & maintenance	---	Flat
8	Storage & maintenance	85 x 55	Flat

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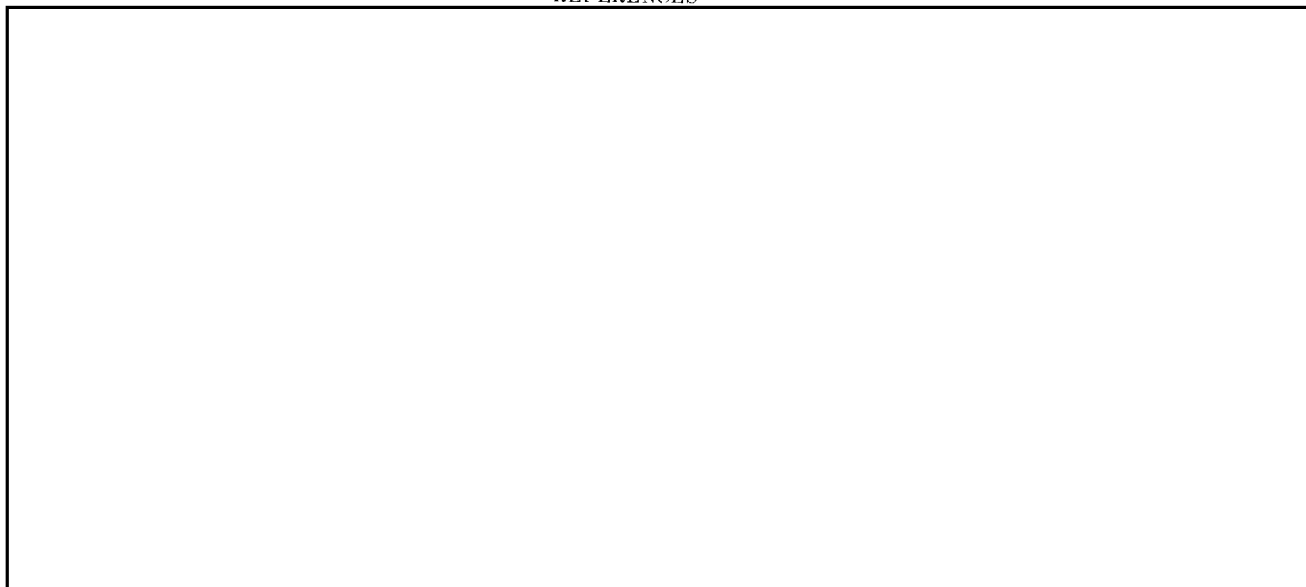
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#### REFERENCES



#### MAPS OR CHARTS

DIA. US Air Target Chart, Series 200, Sheet 0051-23HL, 3d ed, Sep 63, scale 1:200,00 (SECRET)

#### REQUIREMENT

CIA. C-SI4-81,981

#### NPIC PROJECT

11872/64

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